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Amended Claim Set 01/31/2006

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What Is Claimed Is:

1. A monopole coaxial cable, comprising
 - a core (1),
 - a dielectric (2) enclosing the core (1),
 - an electrically conductive shield (3) enclosing the dielectric (2), the shield (3) including a metal braid (3.2) and an electrically conductive foil (3.1),
 - a jacket (4) enclosing the shield (3),
 - a plug connector, including a contact sleeve (5), which in one segment (5.1) contacts the shield (3) in an electrically conductive manner, the segment (5.1) having a circumferential cutting edge and
 - the contact sleeve (5) being situated in such a way that in the segment (5.1) on the one hand it encloses the dielectric (2) and on the other hand is enclosed by the shield (3), and the inner surface of the first segment (5.1) of the contact sleeve (5) being slid onto the outer surface of the dielectric (2) in such a way that also the jacket (4) in the region of the first segment (5.1) is widened, and the cutting edge lies between the dielectric (2) and the foil (3.1),
 - the contact sleeve (5) being mechanically connected to the jacket (4) of the coaxial cable via an extrusion coat (6) of insulating material such that the extrusion coat (6) acts as a strain relief of the contact between the segment (5.1) and the shield (3).

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2. The coaxial cable as recited in Claim 1, wherein the extrusion coat (6) adheres both to the contact sleeve (5) and to the jacket (4).
3. The coaxial cable as recited in Claim 1 or 2, wherein the contact sleeve (5) is formed in one piece.
4. The coaxial cable as recited in one of the preceding claims, wherein the segment (5.1) of the contact sleeve (5), which on the one hand encloses the dielectric (2) and on the other hand is enclosed by the shield (3), has roughened areas on the outer surface (5.3).
5. The coaxial cable as recited in one of the preceding claims, wherein the outer contour of the extrusion coat (6) has in places offset in the axially parallel direction (X) different distances (r; R) with respect to the core (1) for a form-locking transmission of forces having an axially parallel directional component onto a housing of a secondary locking mechanism.
6. A method for manufacturing a monopole coaxial cable, comprising a dielectric (2), a shield (3), which includes a metal braid (3.2) and an electrically conductive foil (3.1), and a jacket (4) surrounding the shield (3) having a plug connector situated at one end of the coaxial cable, having the following method steps
 - insertion of a contact sleeve (5), which has a segment (5.1) having a circumferential cutting edge, in the axially parallel direction (X) between the foil (3.1) and the dielectric (2),
 - the inner surface of the first segment (5.1) of the contact sleeve (5) sliding on the outer surface of the dielectric (2) in such a way

that also the jacket (4) in the region of the first segment (5.1) is widened, and

- the outside of the segment (5.1) of the contact sleeve (5) in the region of the cutting edge sliding along the foil (3.1),

such that the contact sleeve (5) in a segment (5.1) on the one hand encloses the dielectric (2) and on the other hand is enclosed by the shield (3) and is in electrical contact with the shield (3),

- extrusion-coating of the jacket (4) and one part of the contact sleeve (5) with insulating material such that the contact sleeve (5) is fixed relative to the shield (3) in the sense of a strain relief.

7. The method for manufacturing a coaxial cable as recited in Claim 6,
wherein prior to the insertion of the contact sleeve (5), the shield (3) and the jacket (4) are cut to length in such a way that the dielectric (2) protrudes with respect to the shield (3) and the jacket (4).
8. The method for manufacturing a coaxial cable as recited in Claim 6 or 7,
wherein the extrusion-coating of the plug connector is performed with the aid of an injection molding process.